Roadstar®

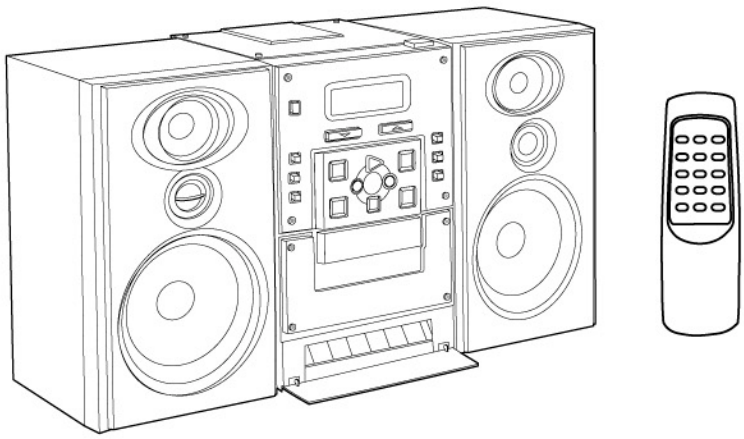
# HIF-4800RC

Service Manual - HIF-4800RC

# Service Manual

**CAUTION**: Before servicing the chassis, read the " important service safety information" section on page 2 of this manual.

MICRO HI FI SYSTEM WITH TOP LOADING CD PLAYER



## SPECIFICATIONS

AM/FM TUNER SECTION

ANTENNA SYSTEM AM: FERRITE BAR

FM: LEAD WRITE

OR 75 OHM JACK

TUNING RANGE FM: 87.5-108 Mhz

AM: 522-1620 kHz

AUDIO SECTION

SPEAKER IMPEDANCE : 4ohm

GENERAL : 5W

POWER INPUT : AC 230V ~50Hz

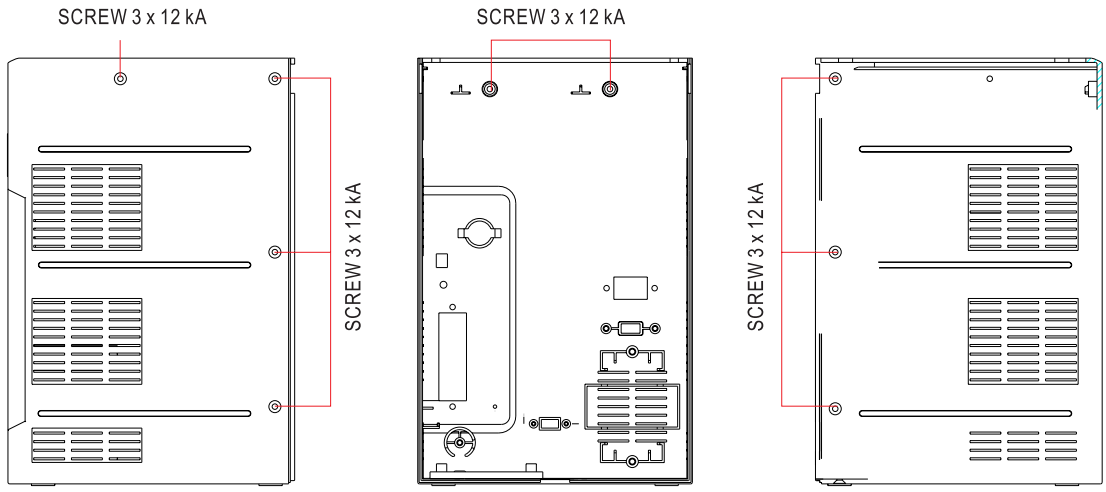
DIMENSIONS: Main Unit 160(W) x 200(D) x 261(H)mm

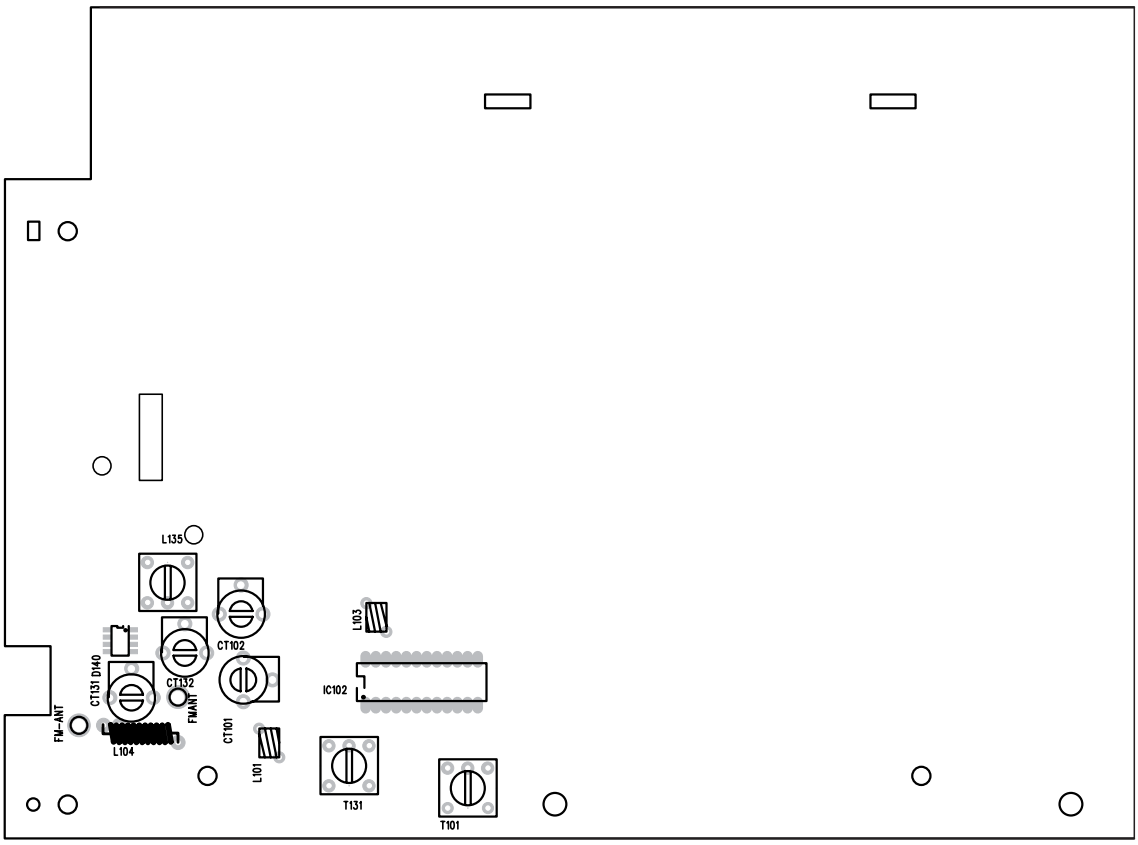
SPEAKER:147(W) x 183(D) x 257.5(H)mm

WEIGHT: 5.49kg

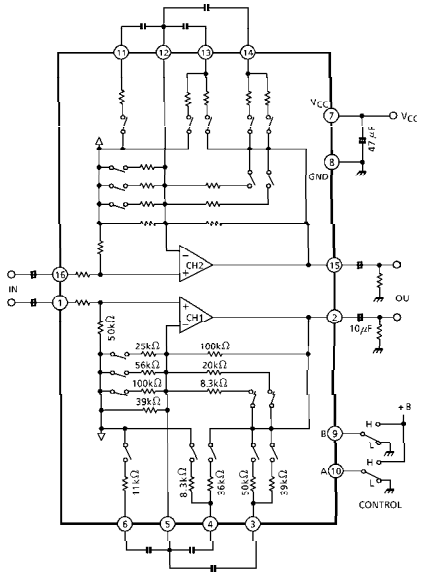
## SERVICE PUBLICATION

NOTE: All the specifications and features are subject to change without notice.

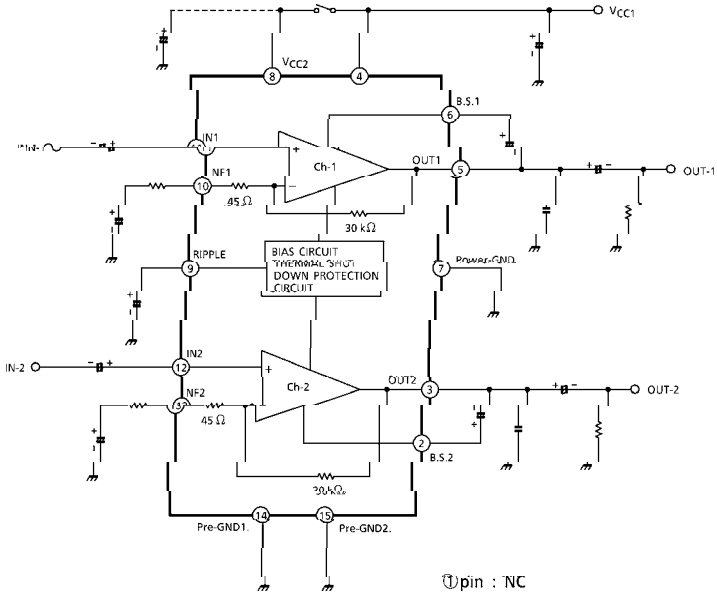

SCREW 3 x 12 kA
SCREW 3 x 12 kA
SCREW 3 x 12 kA
SCREW 3 x 12 kA


L135
CT102
CT131 D140
CT132
FM-ANT
FMANT
L104
CT101
L101
L103
IC102
T131
T101

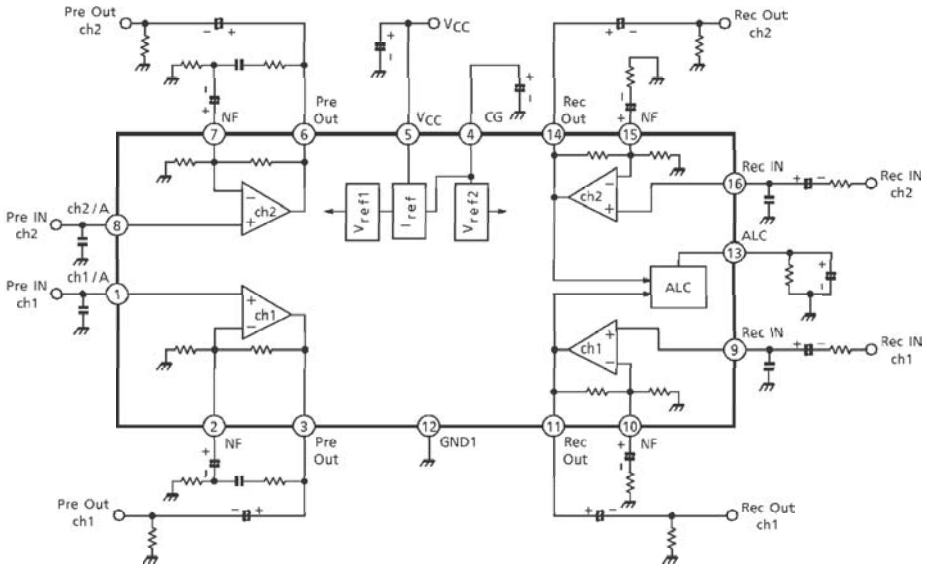
## TA2078P



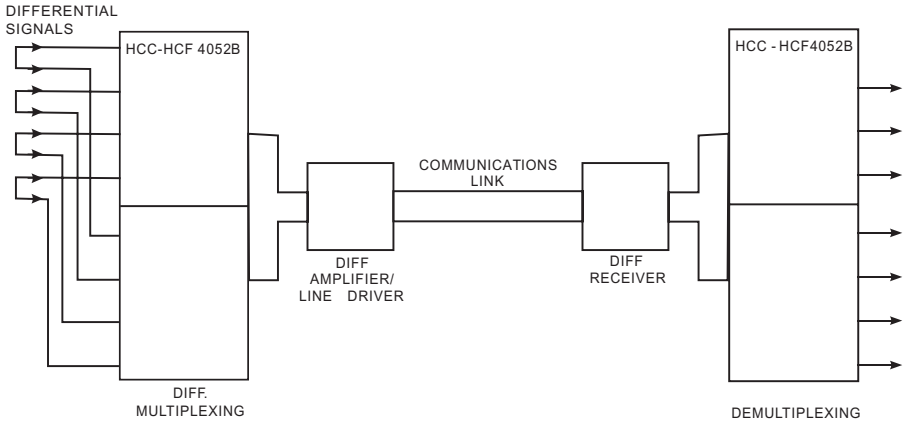
## TA8229K



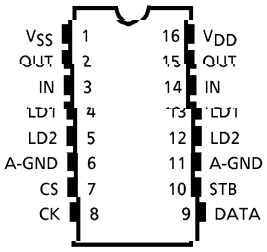

## TA8142AP

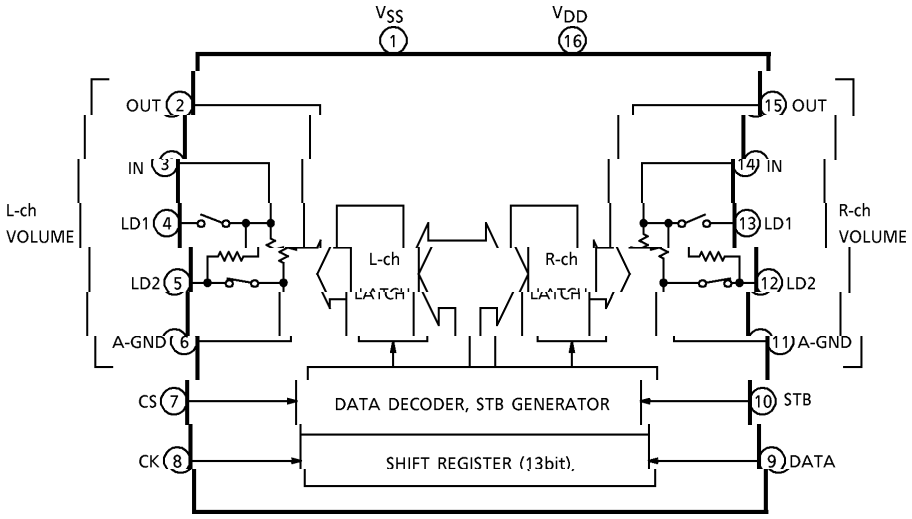



## TC4052B

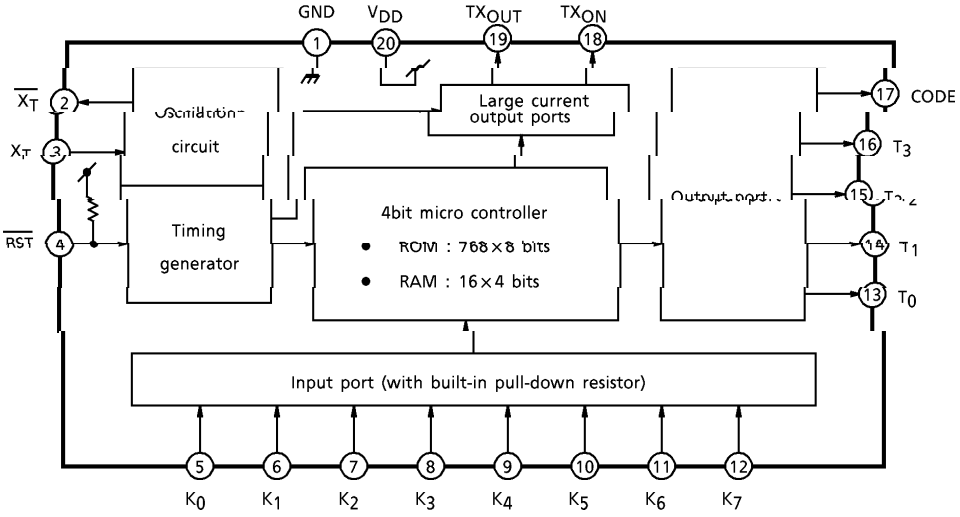


## TC9260P

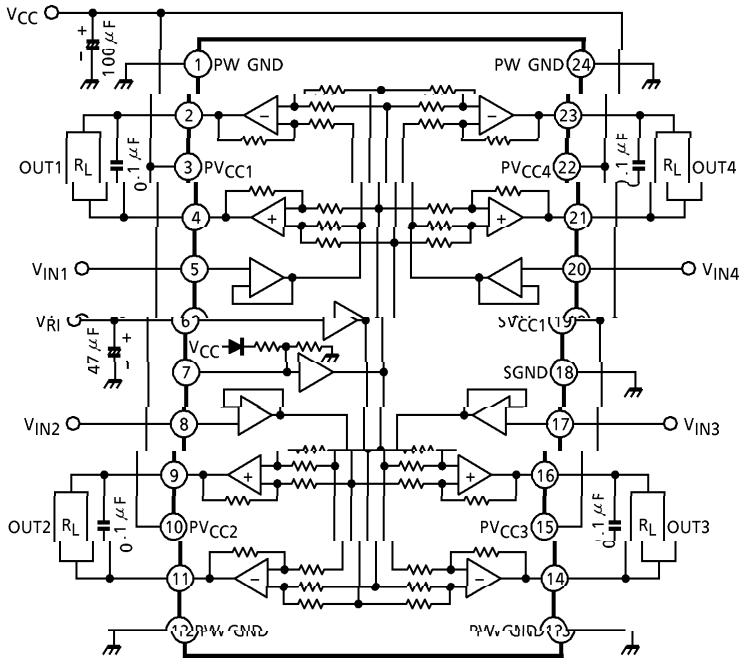


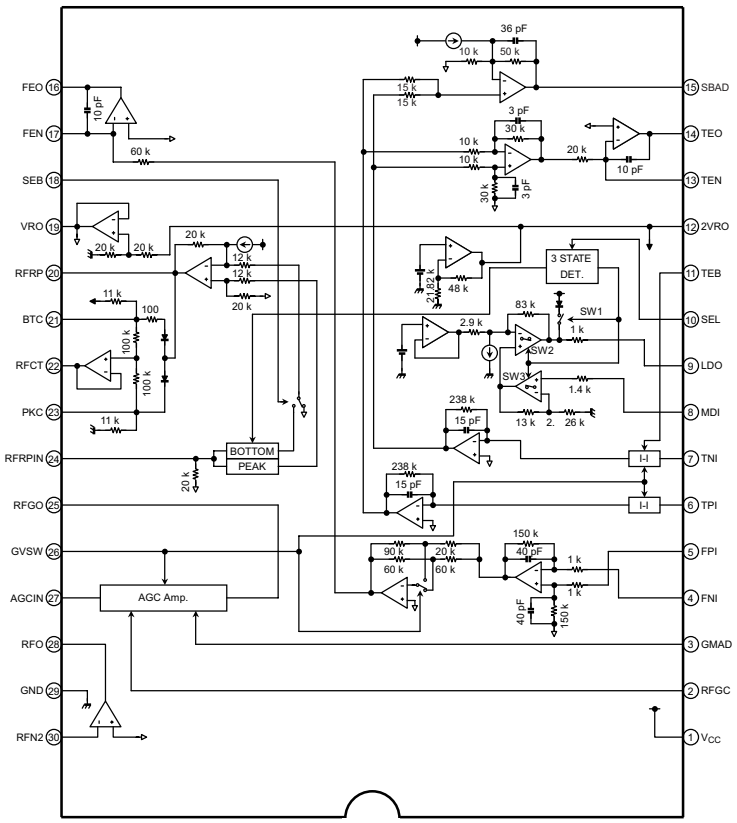

## TC 9243 P/F



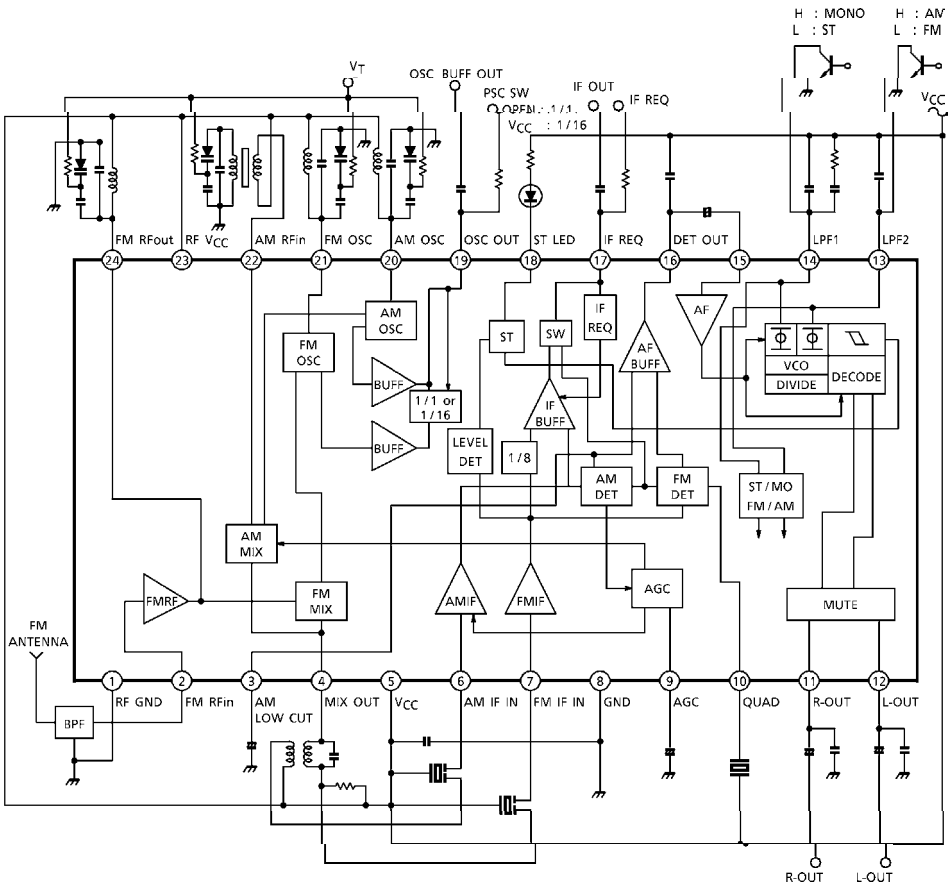

## TA2092N



TA 2153FN




TA2149N



**{DC12V,NO SIGNAL INPUT (EXCEPT FM STEREO BAND),VOLUME MINMUN}**

**AC 230V 50HZ** TA2149N & TA8142AP & TA2078P &TC9260P

**MODEL : NE-595CD-RW** TC4052BP & TA8229K &TC9243F & TC-94A09F-202

**TUNER TA2149NPLL** TA2153FN & TA2092N

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IC101 TA2149N** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| | **AM** | 0 | 1 | 5.7 | 5.7 | 5.4 | 5.4 | 5.7 | 0 | 0.2 | 5.1 | 1.24 | 1.24 | 0 | 0.7 | 0.7 | 1.2 |
| | **FM.ST** | 0 | 0.8 | 0.2 | 5.4 | 5.7 | 5.2 | 5.7 | 0 | 0.2 | 4.9 | 1.26 | 1.26 | 4.8 | 5 | 0.7 | 1.2 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | | | | | | | | |
| | **AM** | 0.9 | 4.3 | 4.2 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | | | | | | | | |
| | **FM.ST** | 0.9 | 4.2 | 4.2 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | | | | | | | | |

| **IC201** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TA8142P** | **TAPE** | 0 | 1.2 | 2.1 | 1.5 | 7 | 2.1 | 1.2 | 0 | 0 | 1.2 | 2.3 | 0 | 0.7 | 2.3 | 1.3 | 0 |

| **IC501** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TA2078P** | **EQ** | 4.83 | 4.8 | 0 | 0 | 4.8 | 0 | 8 | 8 | 0-3.5 | 0-3.5 | 0 | 4.8 | 0 | 0 | 4.8 | 4.83 |

| **IC401** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TA9260P** | **VOLUM** | 0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 0 | 4.4 | 0 | 0 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 7.3 |

| **IC301** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TA8229K** | **POWER** | 0 | 17.8 | 9.3 | 18.6 | 5 | 17.8 | 0 | 18 | 9.3 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | |

| **IC521** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TC4052BP** | **FUNCT** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0-3.5 | 0-3.5 | 0 | 0 | 0 | 0 | 0 | 4.8 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **IC951 TC9243F** | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| | **REMOTE** | 0 | 2.9 | 2.9 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 2.8 | 2.8 | 2.8 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **17** | **18** | **19** | **20** | | | | | | | | | | | | |
| | **REMOTE** | 0 | 2.8 | 0 | 3 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| | **CPU** | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | **31** | **32** |
| | **RADIO** | 2.3 | 2.3 | 4.6 | 0 | 0 | 4.5 | 0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 0 | 4.5 | 0 | 0 |
| | **TAPE** | 2.3 | 2.3 | 4.5 | 0 | 4.5 | 0 | 0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 0 | 4.5 | 0 | 4.5 |
| **U1** | **CD** | 2.3 | 2.3 | 4.5 | 0 | 4.5 | 4.5 | 0 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 0 | 4.5 | 0 | 4.5 |
| | | | | | | | | | | | | | | | | | |
| **TC94A09** | **PINS** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** | **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** |
| **F-202** | **RADIO** | 4.6 | 2.6 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 0 | 0.2 | 0.2 | 0 | 0 | 0 | 0 |
| | **TAPE** | 4.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 4.5 | 0 | 0.3 | 0.3 | 0 | 0 | 0 | 0 |
| | **CD** | 4.5 | 4.5 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 4.5 | 4.5 | 4.5 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **49** | **50** | **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** | **61** | **62** | **63** | **64** |
| | **RADIO** | 4.3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.3 | 0.6 | 0.6 | 0.6 | 0.6 | 0 |
| | **TAPE** | 0 | 0 | 0.3 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | **CD** | 4.3 | 4 | 0 | 0 | 0 | 1.2 | 3.6 | 2 | 1.7 | 0 | 1.9 | 2 | 4.3 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **65** | **66** | **67** | **68** | **69** | **70** | **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| | **RADIO** | 0 | 0 | 0.6 | 0 | 0 | 0.7 | 0 | 0.6 | 0.6 | 0 | 0 | 0 | 0 | 0 | 1.5 | 4.5 |
| | **TAPE** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0.9 | 4.5 | 4.5 |
| | **CD** | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2.3 | 2.3 | 2 | 2 | 4 | 0 | 4.3 | 0.8 | 0 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **81** | **82** | **83** | **84** | **85** | **86** | **87** | **88** | **89** | **90** | **91** | **92** | **93** | **94** | **95** | **96** |
| | **RADIO** | 4.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 3.5 | 4.5 | 2.2 | 2 | 4.5 |
| | **TAPE** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 4.5 | 4.5 | 2.2 | 1.7 | 0 | 4.5 |
| | **CD** | 2 | 2.2 | 4.5 | 0 | 2.2 | 2.1 | 4.3 | 0 | 2.2 | 0 | 0 | 0 | 4.5 | 3.5 | 4.3 | 4.5 |
| | | | | | | | | | | | | | | | | | |
| | **PINS** | **97** | **98** | **99** | **100** | | | | | | | | | | | | |
| | **RADIO** | 2.3 | 2.3 | 2.3 | 2.3 | | | | | | | | | | | | |
| | **TAPE** | 2.3 | 2.3 | 2.3 | 2.3 | | | | | | | | | | | | |
| | **CD** | 2.3 | 2.3 | 2.3 | 2.3 | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| | **MOTOR** | 0 | 3.7 | 8 | 4.1 | 2.2 | 2.2 | 3.9 | 2.2 | 3.9 | 8 | 4 | 0 | 0 | 3.6 | 8 | 4.2 |
| **U2** | | | | | | | | | | | | | | | | | |
| **TA2092N** | **PINS** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | | | | | | | | |
| | **MOTOR** | 2.2 | \ | 8 | 2.2 | 3.8 | 8 | 3.9 | 0 | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| **U3** | **CD** | 4.2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 3.6 | 0 | 2 | 4 | 2 | 2 | 0.9 | 2 |
| | | | | | | | | | | | | | | | | | |
| **TA2153FN** | **PINS** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** | | |
| | **CD** | 2 | 0 | 2 | 1 | 1 | 1 | 0.3 | 2 | 1.9 | 3.9 | 2 | 2.2 | 0 | 2 | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **PINS** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** |
| | **FM** | 2 | 2 | 0 | 4.4 | 0 | 0 | 0 | 0 | 0 | 4.4 | 0 | 4.1 | 0 | 0 | 0 | 0 |
| **IC801** | **AM** | 2 | 2 | 0 | 4.4 | 0 | 0 | 3.1 | 0 | 0 | 4.4 | 0 | 4.1 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | | | |
| **TC9257F** | **PINS** | **17** | **18** | **19** | **20** | | | | | | | | | | | | |
| | **FM** | 0 | 0 | 1 | 1 | | | | | | | | | | | | |
| | **AM** | 0 | 0 | 1 | 1 | | | | | | | | | | | | |

| | | | | |
|---|---|---|---|---|
| **IC302** | **PINS** | **1** | **2** | **3** |
| **KA7808** | | 16 | 0 | 8 |

| | | | | |
|---|---|---|---|---|
| **IC303** | **PINS** | **1** | **2** | **3** |
| **KA7805** | | 16 | 0 | 5 |

| | | | | |
|---|---|---|---|---|
| **IC351** | **PINS** | **1** | **2** | **3** |
| **KA7808** | | 16 | 0 | 8 |

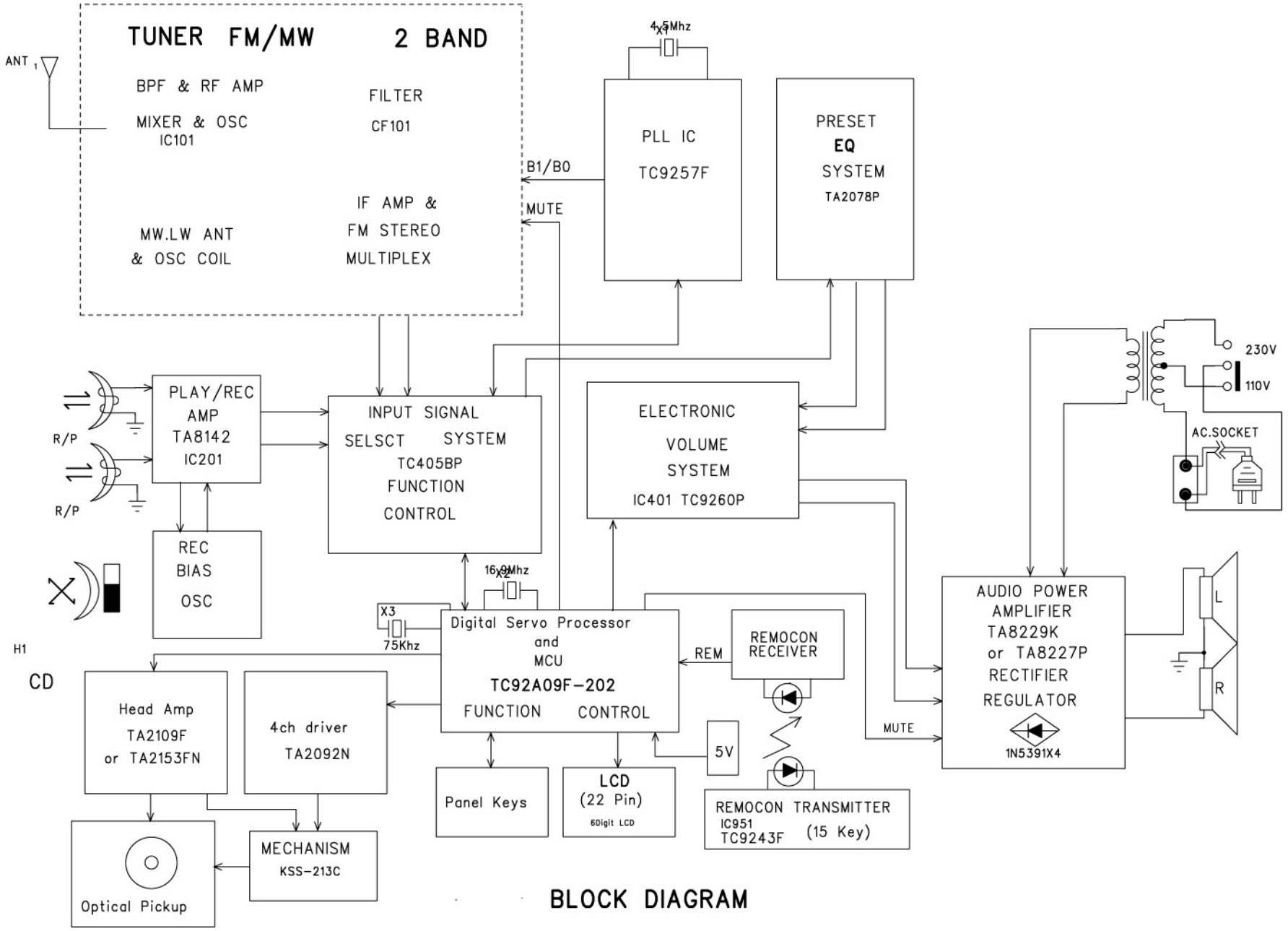
| | | | | |
|---|---|---|---|---|
| **IC901** | **PINS** | **1** | **2** | **3** |
| **RECEIVEER** | | 4.4 | 0 | 4.4 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Q132 | Q133 | Q134 | Q181 | | | | | Q1 | Q2 | Q3 | Q4 | |
| | **B** | | | | 0-0.7 | 0-0.7 | 2.1 | 11.6 | | | | | 0 | 2.7 | 0.7 | 7.3 | |
| | **C** | | | | 5.1 | 0-3 | 5.1 | 15.5 | | | | | 0.7 | 2.7 | 4.2 | 8 | |
| | **E** | | | | 0 | 0 | 1.4 | 11 | | | | | 0 | 3.5 | 4 | 7.9 | |

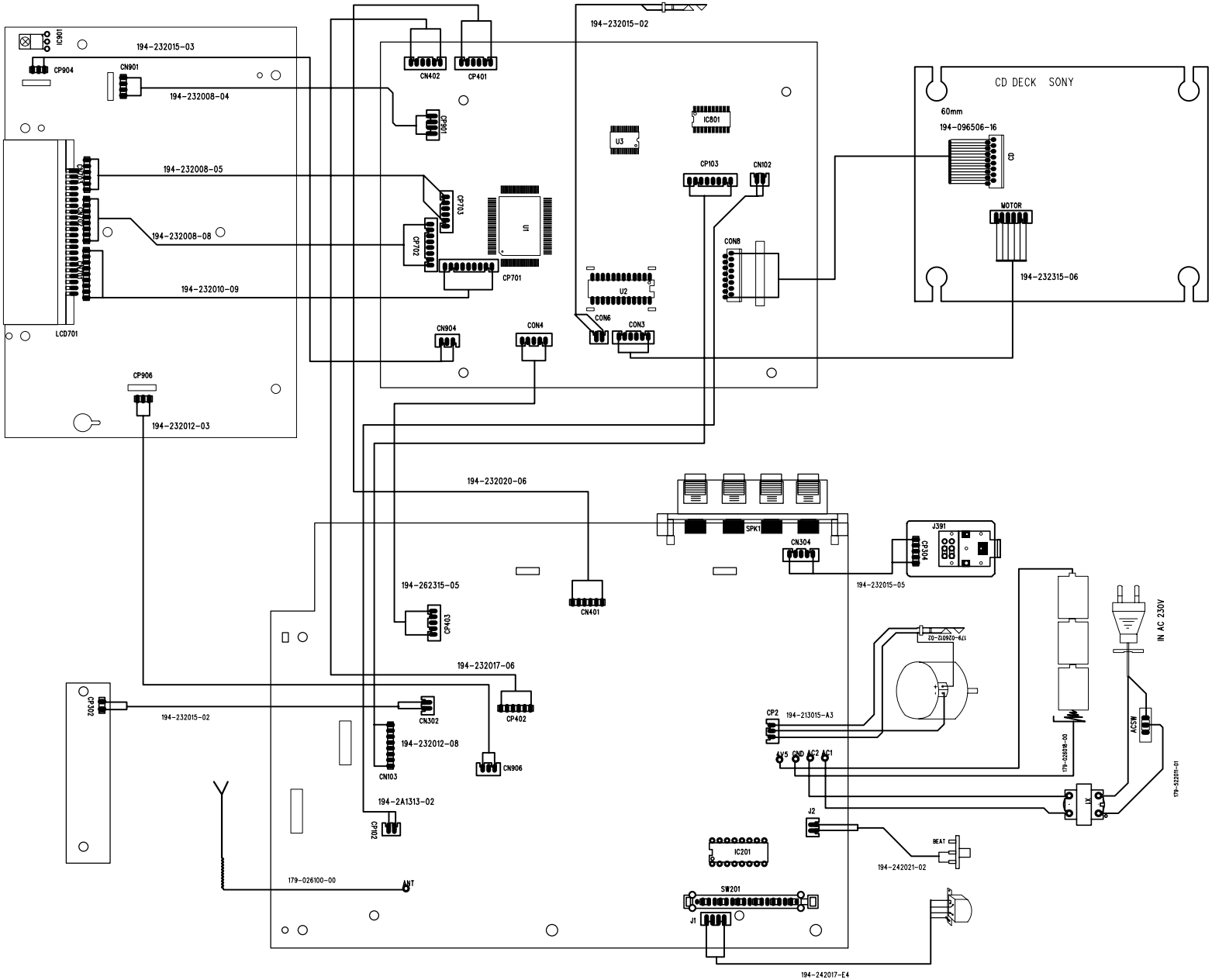
| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Q301 | Q302 | Q303 | Q304 | Q305 | Q306 | | Q551 | Q552 | Q553 | Q554 | | | | |
| | **B** | | 0-0.7 | 0-0.7 | 0-2.7 | | 17.5 | 0-0.7 | | 0-0.7 | 0-0.7 | 0-0.7 | 0-0.7 | | | | |
| | **C** | | 0 | 0 | 7.4 | | 18.2 | 0.8 | | 0.7 | 0.7 | 0.7 | | | | | |
| | **E** | | 0 | 0 | 8 | | 18.3 | 0.7 | | 0 | 0 | 0 | 0 | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Q801 | Q802 | Q803 | Q804 | Q805 | Q806 | Q201 | Q581 | Q951 | | | | | | | |
| | **B** | 17 | 1 | 0.6 | 1 | 0.6 | 1.7 | 3.9 | 0.7 | 0 | | | | | | | |
| | **C** | 4.2 | 3.2-8 | 3.2-8 | 2-8.5 | 2-8.5 | 4.2 | 5.8 | 0 | 0 | | | | | | | |
| | **E** | 1 | 0.6 | 0 | 0.6 | 0 | 1 | 1.6 | 0 | 0 | | | | | | | |

**REMARK : ALL THE DATA IN THE TABLE ARE FOR.REFERENCE ONLY**
**FOR FM.ST BAND , FM STEREO INDICATOR MUST BE ON.**

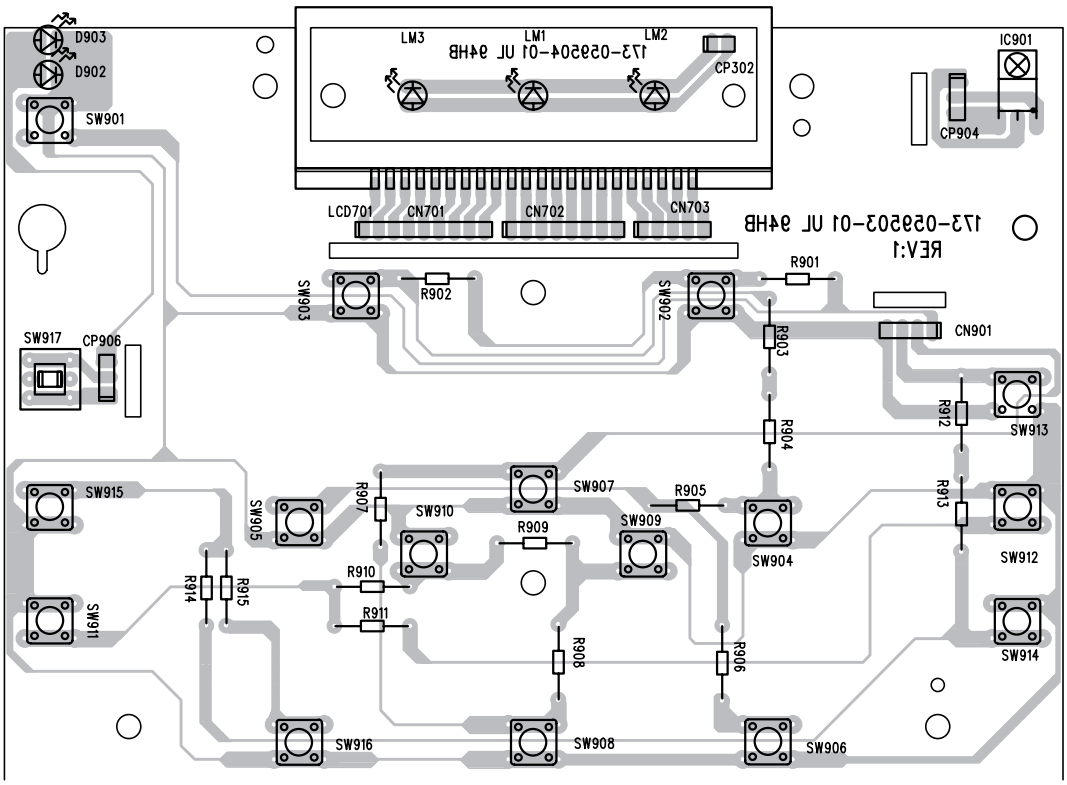


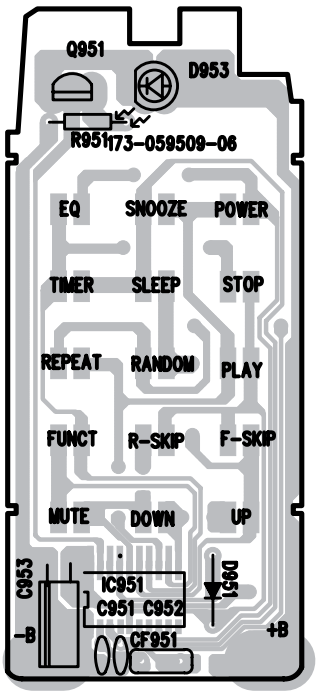

BLOCK DIAGRAM

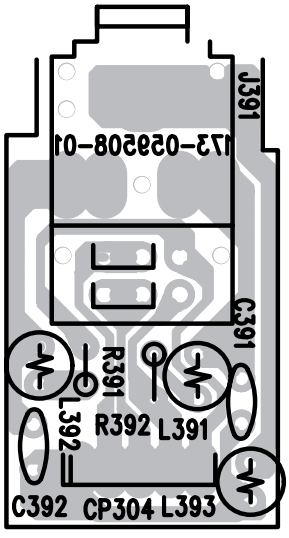

IC901
194-232015-03
CP904
CN901
194-232008-04
194-232008-05
194-232008-08
194-232010-09
LCD701
CP906
194-232012-03
194-232015-02
CN402
CP401
CP901
CP703
CP702
U1
CP701
U3
IC801
CP103
CN102
CON8
U2
CON6
CON3
CN904
CON4
CD DECK SONY
60mm
194-096506-16
MOTOR
194-232315-06
194-232020-06
SPK1
CN304
CP304
J391
194-232015-05
194-262315-05
CP403
CN401
194-232017-06
CP502
194-232015-02
CN302
CP402
194-232012-08
CN103
CN906
194-2A1313-02
CP702
179-026100-00
ANT
CP2
194-213015-A3
AVS GND AC2 AC1
179-026013-02
179-026018-00
ACSW
IN AC 230V
179-022011-01
J2
IC201
BEAT
194-242021-02
SW201
J1
194-242017-E4

173-059510-01 UL 94HB
JP801
JP804
JP802
JP803
R803
R804
R807
R805
C833
C827
Q806
R817
C814
R818
C813
CN102
R814
R808
R816
L801
C804
C815
Q801
C812
R802
R806
C809
R801
C829
CP703
C834
IC801
R811
L802
C828
C802
C801
R809
E801
R812
R813
CON8
X801
C805
Q804
R824
R823
R822
Q802
R810
E802
Q805
E803
C810
C806
C811
C826
R815
Q803
D801
C832
C838
R2
U2
Q2
L2
L1
R9
C825
C824
E4
E3
C34
C28
CON3
R34
J19
R35
R36
C22
J1
C32
C27
E5
R38
R58
C23
J12
C30
R32
C25
R40
R41
R62
J11
J10
J9
C31
C33
J2
R31
T3
U3
J3
J4
R30
C24
E2
R33
C39
R50
R17
J6
J5
R29
R28
C26
T1
J29
J30
J31
J32
C18
C19
J7
J8
E7
C20
R55
R67
T
E17
CON6
E1
T4
C21
R61
E19
C16
T5
E6
J41
C6
C3
J16
C29
R64
C38
R19
C8
R5
L7
R44
C11
C12
C9
T2
R53
R54
C7
J34
J35
J39
J40
C42
Q3
R18
R49
R63
Q4
E9
C14
C10
R20
X1
C45
R6
Q1
D9
R15
L4
R46
R23
R22
R21
C4
J13
E12
R13
E21
C43
R37
C15
C13
E8
U1
E11
C3
L5
R16
L6
CON4
CP401
R39
R10
R51
R52
E23
E24
R14
E15
E22
C44
R48
J22
R60
R68
R1
R24
R3
C2
E20
E10
R66
CP701
E18
R59
X2
R47
D3
CP901
CP703
C41
C40
C17
E14
E13
L3
C35
R65
R57
CN904
R56
CP702
C1
R43
D5
CN402
D6
D2
R25
E16
R26
R27
R42
D7
D8
R7
R4

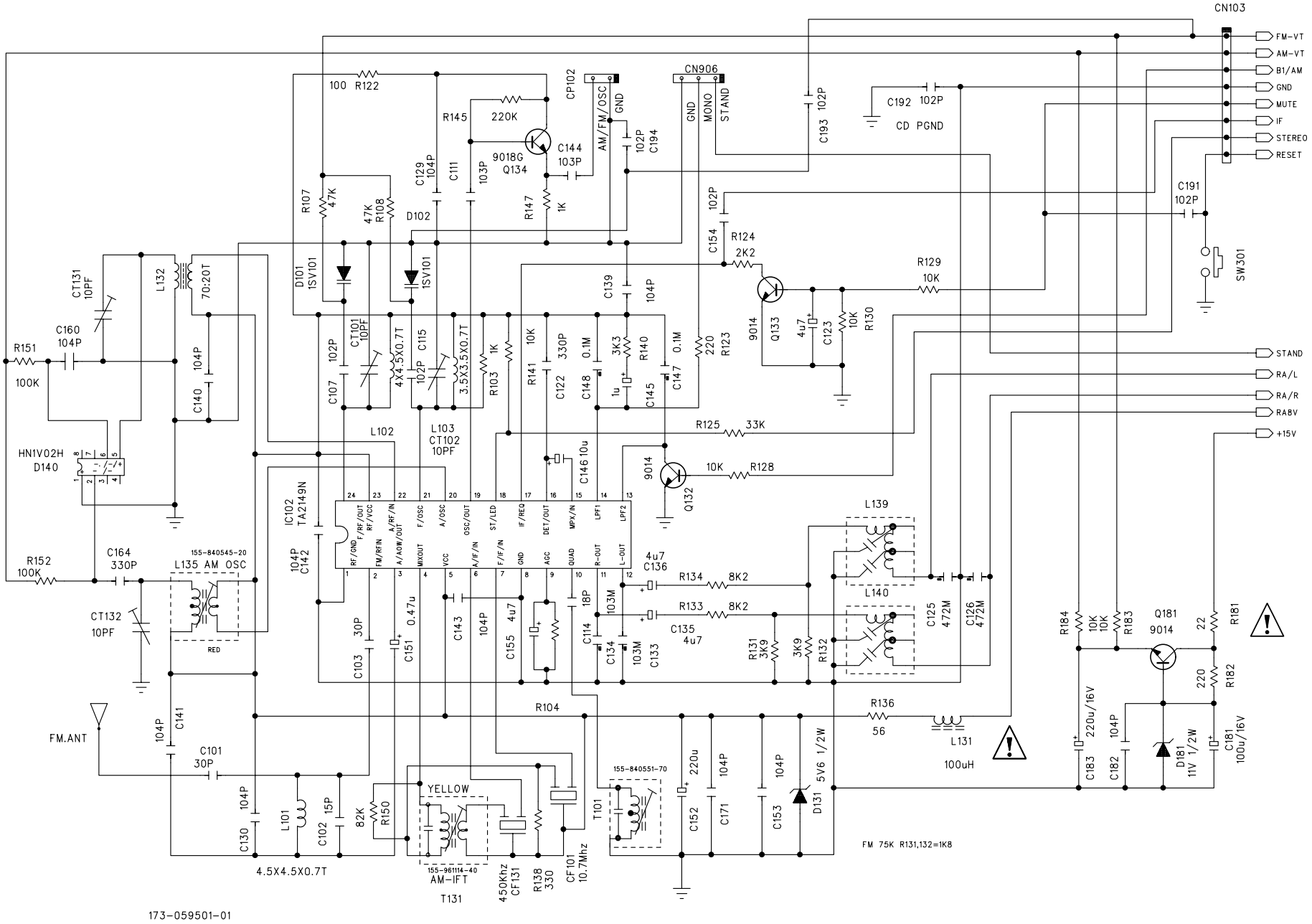
173-0959501-01
UL 94HB REV:1
FM-ANT
FMANT
AM1
GND
AC2
AC1
4V5
L
R

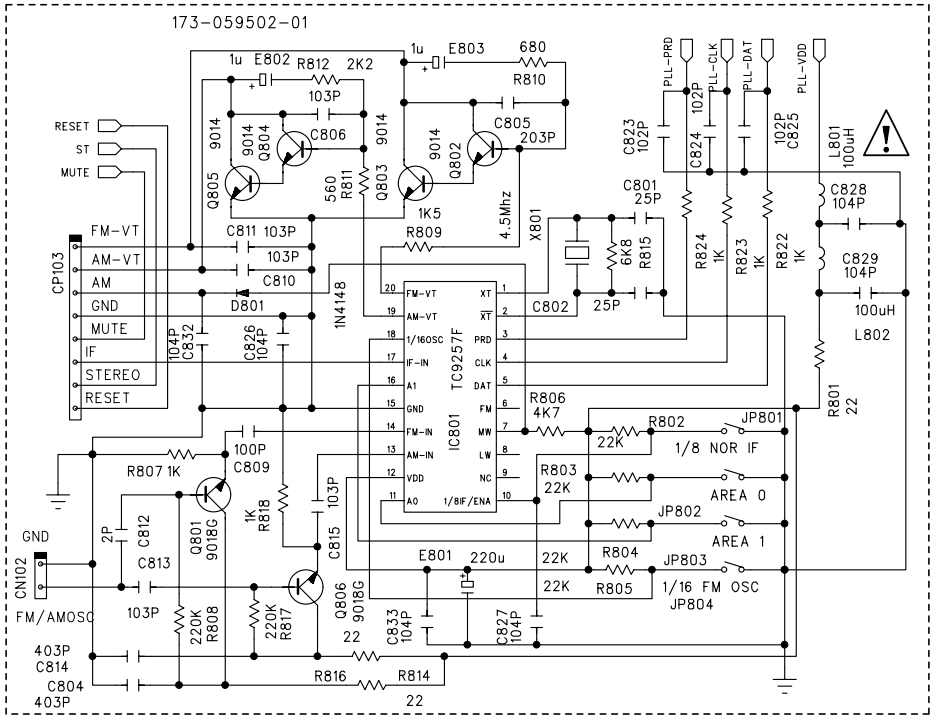

D903
D902
SW901
LM3
LM1
LM2
CP302
IC901
CP904
LCD701
CN701
CN702
CN703
173-059503-01 UL 94HB
REV:1
R901
SW903
R902
SW902
CN901
SW917
CP906
R903
R912
SW913
R904
SW915
SW905
R907
SW910
SW907
R905
R913
SW909
R909
SW904
SW912
R914
R915
R910
SW911
R911
R908
R906
SW914
SW916
SW908
SW906

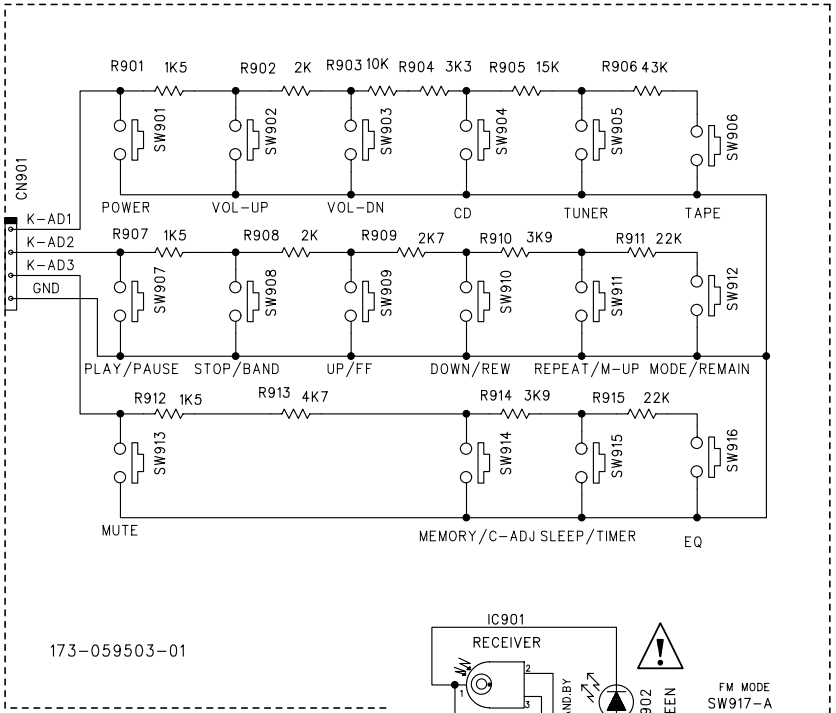

Q951
D953
R951
173-059509-06
EQ
SNOOZE
POWER
TIMER
SLEEP
STOP
REPEAT
RANDOM
PLAY
FUNCT
R-SKIP
F-SKIP
MUTE
DOWN
UP
C953
IC951
C951 C952
D951
CF951
-B
+B

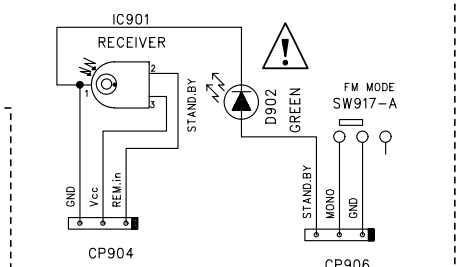

J391
173-059508-01
C391
R391
L392
R392 L391
C392 CP304 L393

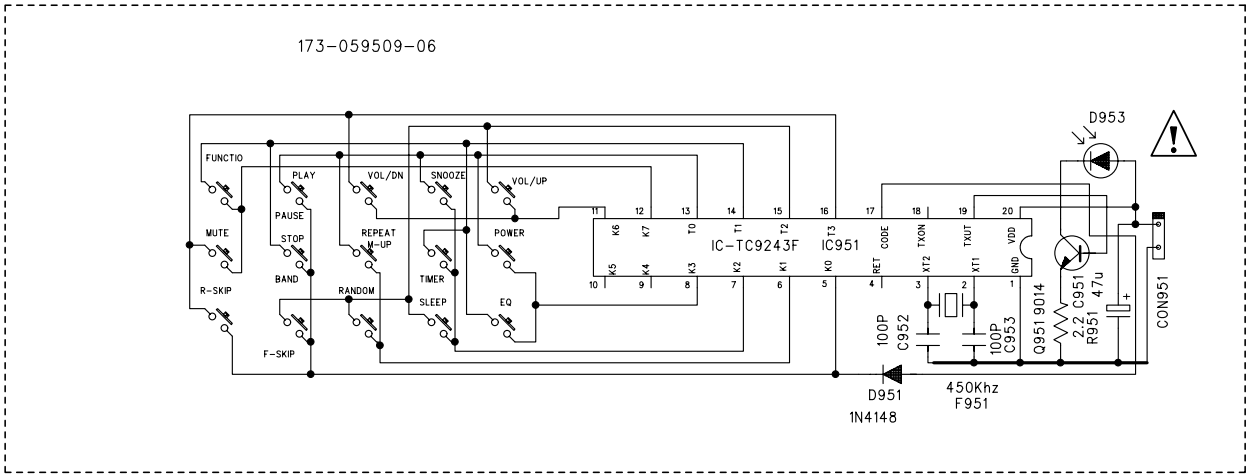
# SCHEMATIC DIAGRAMS

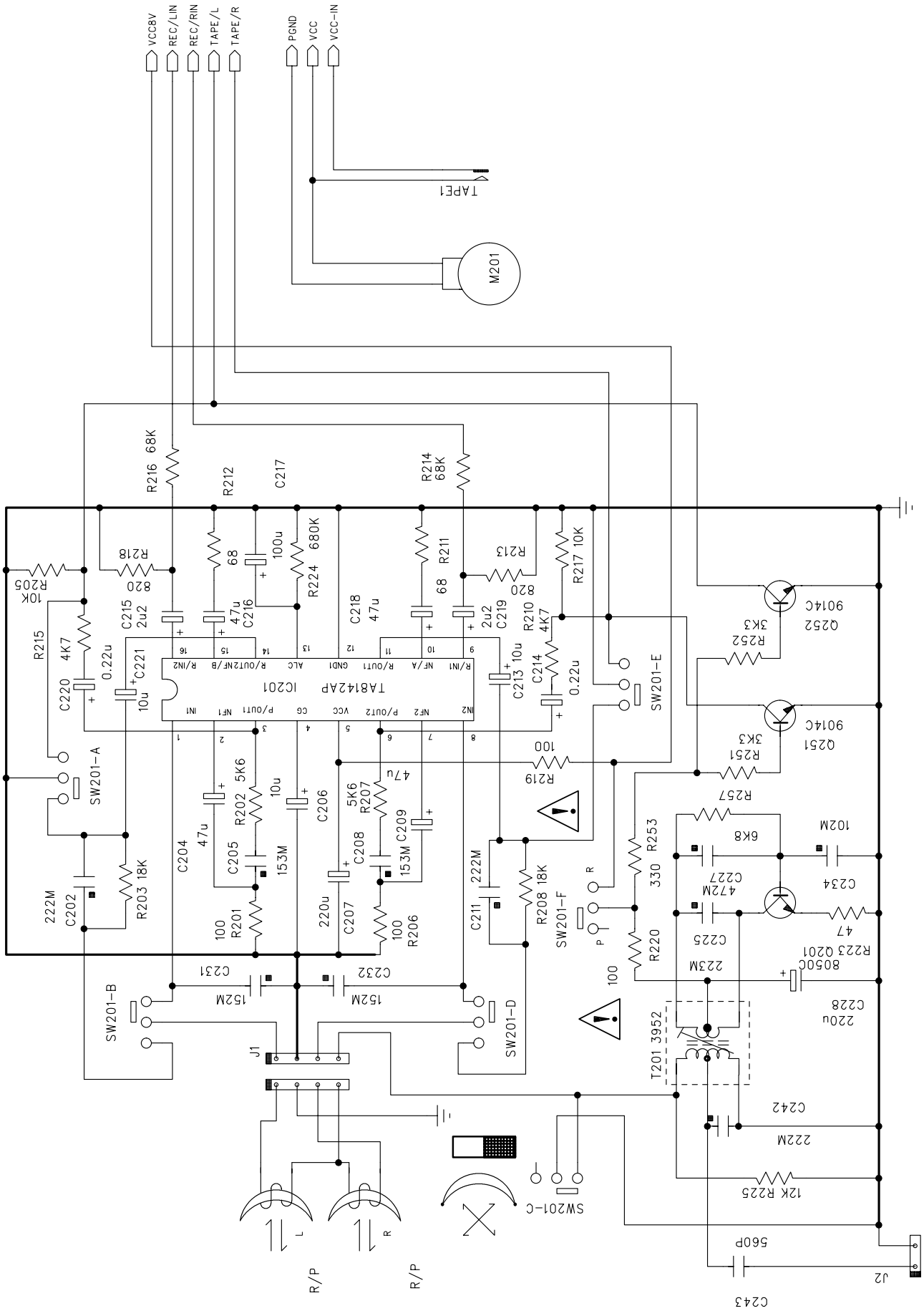


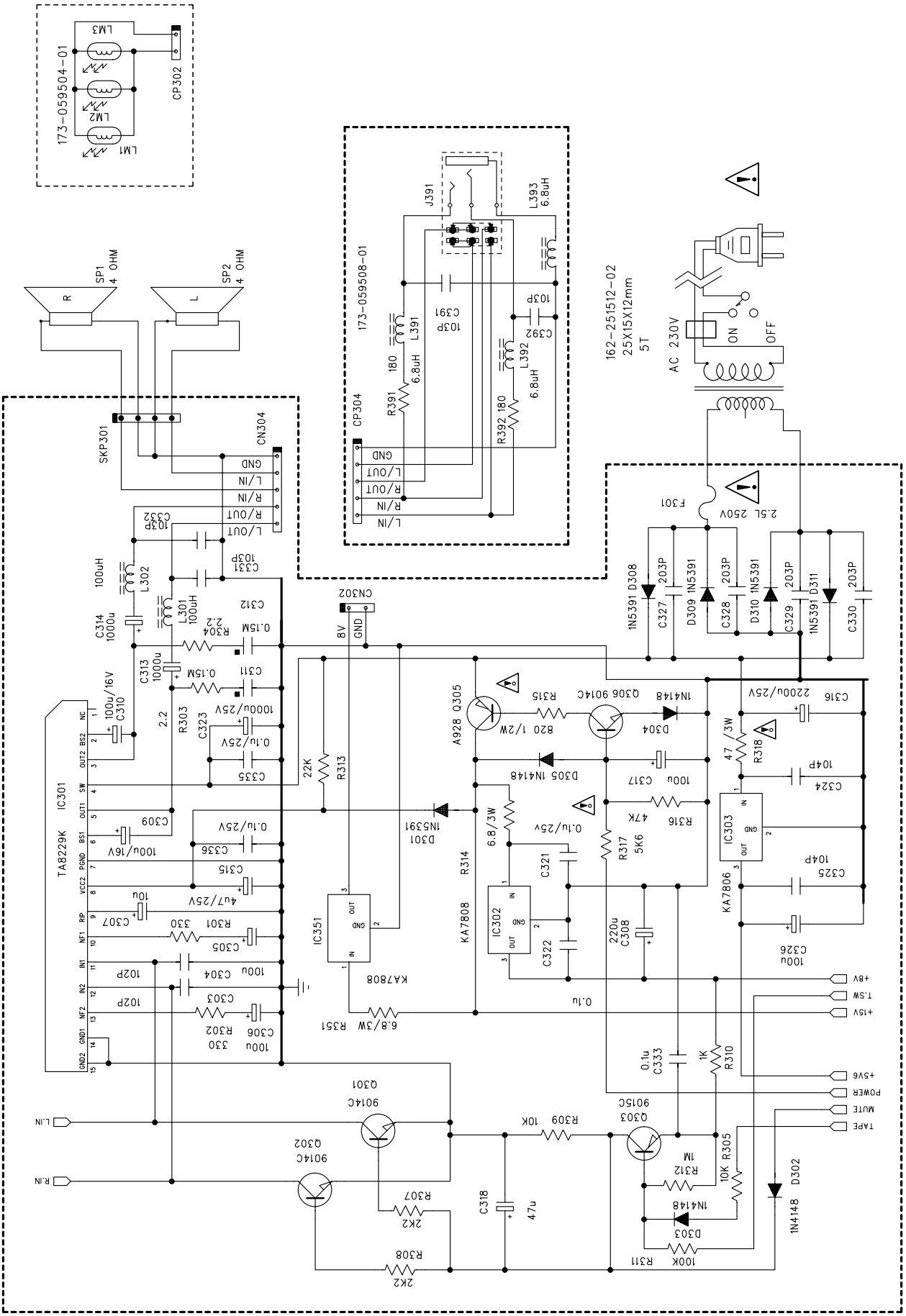

173-059502-01
RESET
ST
MUTE
FM-VT
AM-VT
AM
GND
MUTE
IF
STEREO
RESET
CP103
IC801 TC9257F
4.5Mhz
X801
L801 100uH
L802 100uH
L801 100uH
C828 104P
C829 104P
C801 25P
C802 25P
C805 203P
C806
C809 100P
C810
C811 103P
D801 1N4148
R801 22
R802 22K
R803 22K
R804 22K
R805 22K
R806 4K7
R807 1K
R809
R810 680
R811 560
R812 2K2
R815 6K8
R816 22
R818 1K
R823 1K
R824 1K
R822 1K
E801 220u
E802 1u
E803 1u
C804 403P
C812 2P
C813
C814 403P
C815 103P
C826 104P
C827 104P
C832 104P
C833 104P
Q801 9018G
Q802 9014
Q803 9014
Q804 9014
Q805 9014
Q806 9018G
R808 220K
R817 220K
CN102
FM/AMOSC
GND
1/8 NOR IF
AREA 0
AREA 1
1/16 FM OSC
JP801
JP802
JP803
JP804
PLL-PRD
PLL-CLK
PLL-DAT
PLL-VDD

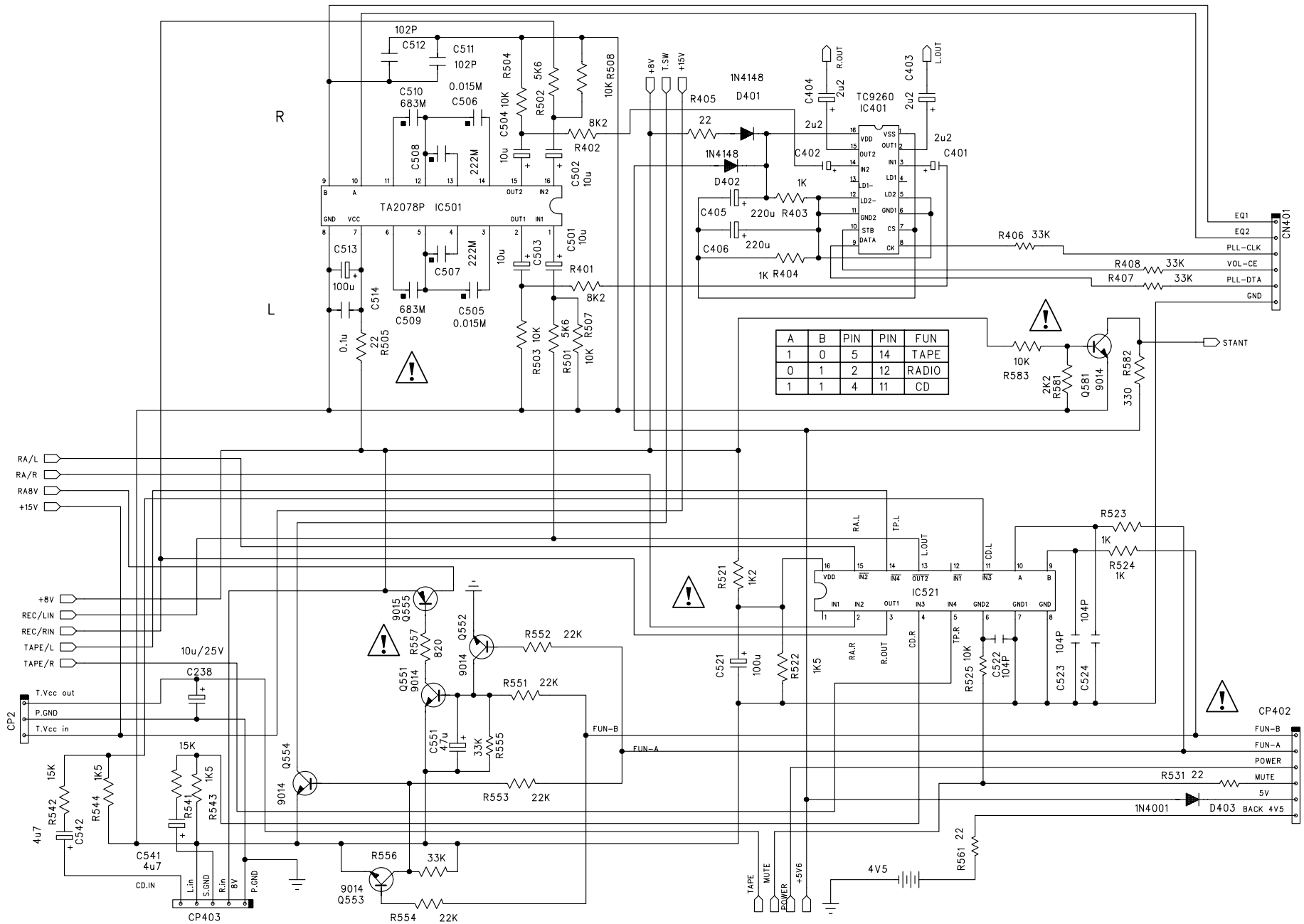

173-059503-01
CN901
K-AD1
K-AD2
K-AD3
GND
R901 1K5
R902 2K
R903 10K
R904 3K3
R905 15K
R906 43K
R907 1K5
R908 2K
R909 2K7
R910 3K9
R911 22K
R912 1K5
R913 4K7
R914 3K9
R915 22K
SW901
SW902
SW903
SW904
SW905
SW906
SW907
SW908
SW909
SW910
SW911
SW912
SW913
SW914
SW915
SW916
POWER
VOL-UP
VOL-DN
CD
TUNER
TAPE
PLAY/PAUSE
STOP/BAND
UP/FF
DOWN/REW
REPEAT/M-UP
MODE/REMAIN
MUTE
MEMORY/C-ADJ
SLEEP/TIMER
EQ

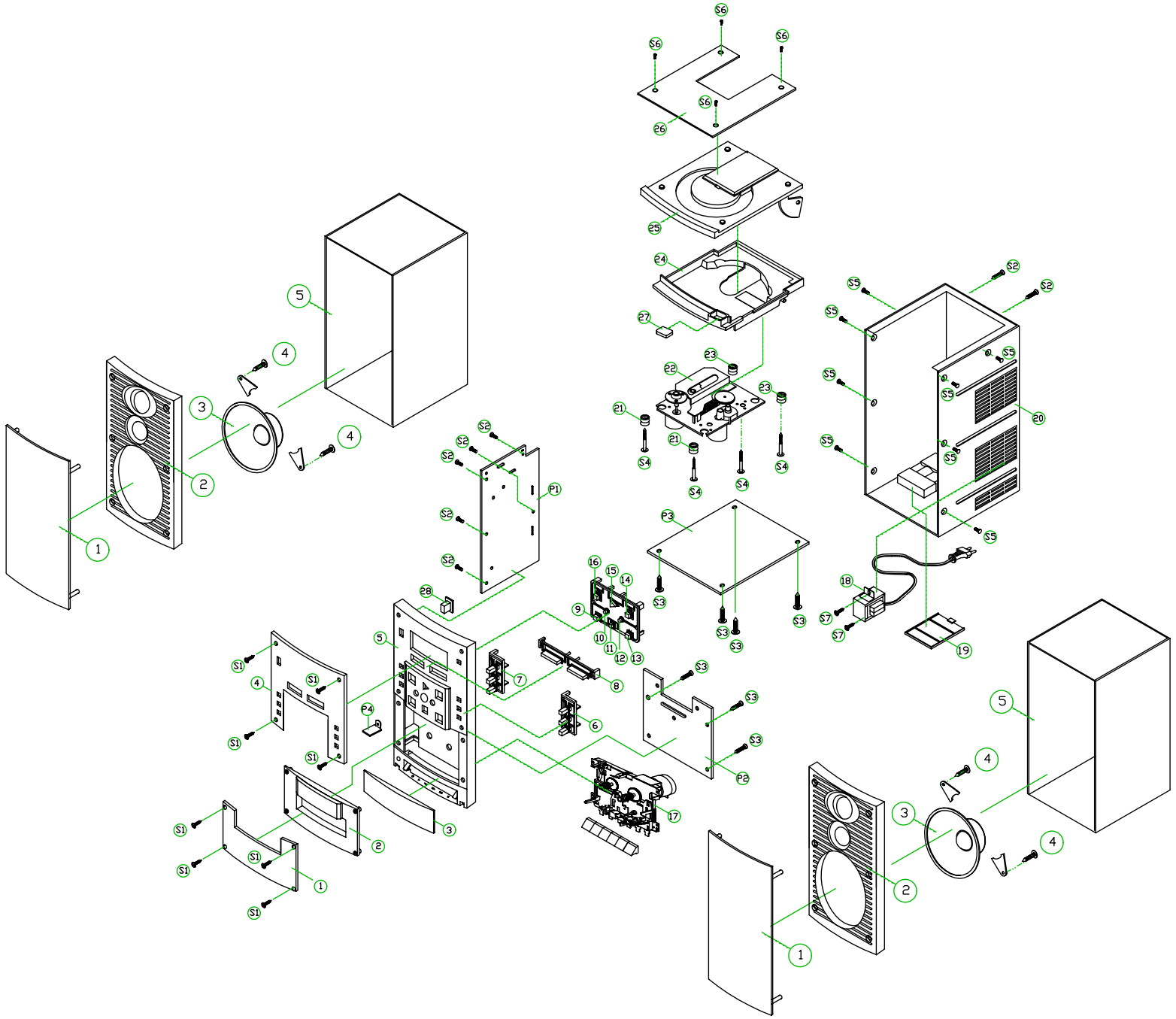

IC901
RECEIVER
STAND.BY
D902
GREEN
FM MODE
SW917-A
GND
Vcc
REM.in
CP904
STAND.BY
MONO
GND
CP906


173-059509-06
FUNCTIO
PLAY
VOL/DN
SNOOZE
VOL/UP
MUTE
PAUSE
STOP
REPEAT
M-UP
POWER
BAND
TIMER
SLEEP
EQ
R-SKIP
RANDOM
F-SKIP
IC-TC9243F
IC951
D953
D951 1N4148
450Khz
F951
CON951
Q951 9014
R951 47u
C951 2.2
C952 100P
C953 100P


VCC8V
REC/LIN
REC/RIN
TAPE/L
TAPE/R
PGND
VCC
VCC-IN
TAPE1
M201
R216 68K
R212
C217
R214 68K
R205 10K
R218 820
R215 4K7
C220 10u
0.22u C221
C215 2u2
C216 47u
68
100u
R224 680K
C218 47u
R211 68
C219 2u2
R213 820
R217 10K
R210 4K7
C213 10u
C214 0.22u
IC201 TA8142AP
SW201-E
Q252 9014C
R252 3K3
Q251 9014C
R251 3K3
R219 100
R257
6K8
10M2
C234
C227 472M
C225
R223 Q201 47
805OC
223M
C228 220u
R253 330
R220 100
SW201-A
SW201-B
SW201-D
SW201-F
SW201-C
C202 222M
R203 18K
C204 47u
R202 5K6
C205 153M
R201 100
10u
C206
220u C207
5K6 R207
C208
153M C209
47u
100 R206
C211 222M
R208 18K
C231 152M
C232 152M
J1
T201 3952
C242 222M
12K R225
560P C243
J2
L
R
R/P
R/P


173-059504-01
LM3
LM2
LM1
CP302
SP1
4 OHM
R
SP2
4 OHM
L
173-059508-01
J391
L393
6.8uH
C391
103P
C392
103P
L391
180
6.8uH
L392
6.8uH
R391
R392 180
CP304
GND
L/OUT
R/OUT
R/IN
L/IN
162-251512-02
25X15X12mm
5T
AC 230V
ON
OFF
F301
2.5L 250V
SKP301
CN304
GND
L/IN
R/IN
R/OUT
L/OUT
C332
103P
C331
103P
L302
100uH
L301
100uH
C312
0.15M
R304
2.2
C314
1000u
C313
1000u
C311
0.15M
R303
2.2
C323
1000u/25V
0.1u/25V
C335
C310
100u/16V
C309
100u/16V
C336
0.1u/25V
C315
4u7/25V
10u
C307
R301
330
C305
100u
C304
102P
C303
102P
R302
330
C306
100u
IC301
TAB229K
NC
BS2
OUT2
SW
OUT1
BS1
PGND
VCC2
RIP
NF1
IN1
IN2
NF2
GND1
GND2
CN302
8V
GND
22K
R313
D301
1N5391
IC351
KA7808
OUT
GND
IN
6.8/3W
R351
A928 Q305
R315
820 1/2W
Q306 9014C
1N4148
D304
D305 1N4148
R314
KA7808
IC302
OUT
GND
IN
C321
0.1u/25V
C322
R316
47K
R317
5K6
220u
C308
C316
220uU/25V
47 /3W
R318
C317
100u
C324
104P
IC303
KA7806
OUT
GND
IN
C325
104P
C326
100u
1N5391 D308
C327
203P
D309 1N5391
C328
203P
D310 1N5391
C329
203P
1N5391 D311
C330
203P
+8V
T.SW
+15V
0.1u
C333
1K
R310
+5V6
POWER
MUTE
TAPE
Q303
9015C
R309
10K
Q301
9014C
Q302
9014C
R307
2K2
R308
2K2
C318
47u
R312
1M
10K R305
1N4148
D303
R311
100K
1N4148 D302

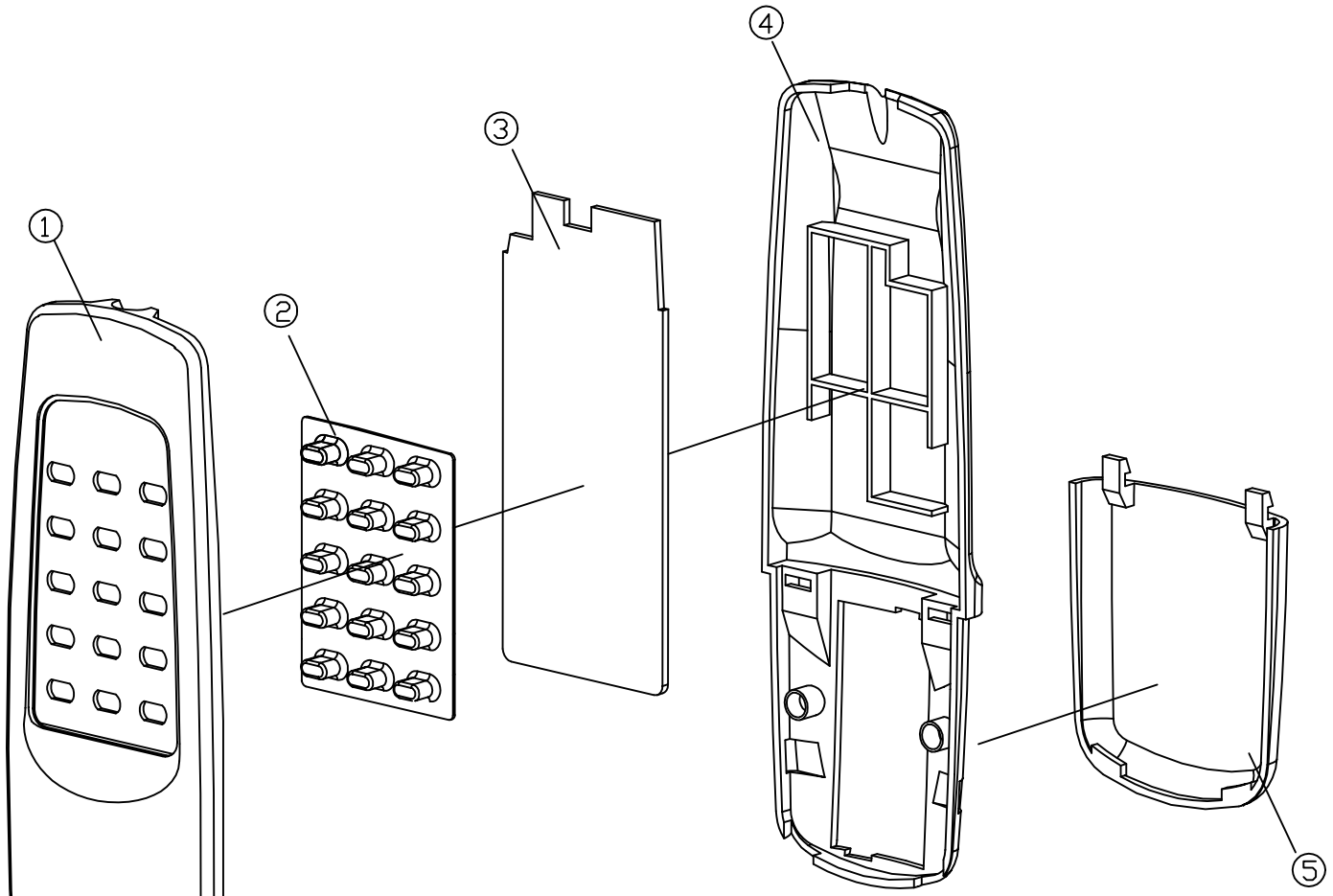

TA2078P IC501
TC9260 IC401
IC521
1N4148 D401
1N4148 D402
1N4001 D403 BACK 4V5
CN401
EQ1
EQ2
PLL-CLK
VOL-CE
PLL-DTA
GND
STANT
CP2
T.Vcc out
P.GND
T.Vcc in
CP402
FUN-B
FUN-A
POWER
MUTE
5V
CP403
CD.IN
L.in
S.GND
R.in
8V
P.GND
RA/L
RA/R
RA8V
+15V
+8V
REC/LIN
REC/RIN
TAPE/L
TAPE/R
TAPE
+5V6
4V5
R
L
102P C512
C511 102P
C510 683M
0.015M C506
C508
222M
C504 10K
R504
R502 5K6
10K R508
8K2 R402
10u C502 10u
C513 100u
C514 0.1u
R505 22
683M C509
C507 222M
C505 0.015M
10u C503
C501 10u
R401 8K2
R503 10K
R501 5K6
R507 10K
R405 22
C404 2u2
R.OUT
C403 2u2
L.OUT
C402 2u2
C401 2u2
1K
C405 220u
R403
C406 220u
1K R404
R406 33K
R408 33K
R407 33K
R583 10K
2K2 R581
Q581 9014
R582 330
A B PIN PIN FUN
1 0 5 14 TAPE
0 1 2 12 RADIO
1 1 4 11 CD
R521 1K2
C521 100u
R522 1K5
RA.L
TP.L
L.OUT
CD.L
RA.R
R.OUT
CD.R
TP.R
R523 1K
R524 1K
R525 10K
C522 104P
C523 104P
C524 104P
R531 22
R561 22
C238 10u/25V
9015 Q555
R557 820
Q551 9014
Q552 9014
R552 22K
R551 22K
C551 47u
33K R555
R553 22K
Q554 9014
R556 33K
Q553 9014
R554 22K
15K
1K5
R542
R544
R541
R543
C542 4u7
C541 4u7



| ITEM | PART NO. | DESCRIPTION |
|---|---|---|
| 1 | 367-059500-89T0 | CASS.DOOR LENS |
| 2 | 358-0595-005E80 | CASSETTE DOOR |
| 3 | 357-059500-6500 | CASS KNOB COVER |
| 4 | 333-059500-89T0 | FRONT LENS |
| 5 | 311-0595-005F80 | FRONT CAB. |
| 6 | 412-059500-2500 | FUNCTION BUTTON R |
| 7 | 412-059500-2500 | FUNCTION BUTTON L |
| 8 | 403-059502-2500 | VOLUME BUTTON |
| 9 | 403-059506-89T0 | PRESET EQ BUTTON |
| 10 | 408-059504-89T0 | SKIP-NEXT BUTTON |
| 11 | 408-059503-89T0 | STOP/BAND BUTTON |
| 12 | 408-059505-89T0 | SKIP-BACK BUTTON |
| 13 | 412-059505-89T0 | TAPE BUTTON |
| 14 | 412-059504-89T0 | CD BUTTON |
| 15 | 408-059502-89T0 | PLAY/PAUSE BUTTON |
| 16 | 412-059503-89T0 | TUNER BUTTON |
| 17 | 218-057510-12 | DECK MECH |
| 18 | 156-572315-41 | X'FORMER |
| 19 | 380-057500-5G20 | BATTERY DOOR |
| 20 | 322-059501-5G20 | REAR CAB |
| 21 | 213-000005-16 | CUSHION RUBBER |
| 22 | 219-213CDM-01 | CD MECHANISM TOP |
| 23 | 213-000005-16 | CUSHION RUBBER |
| 24 | 371-0595-005E80 | CD DOOR INJ |
| 25 | 371-059500-6500 | CD DOOR SPR |
| 26 | 375-059500-89T0 | CD DOOR LENS |
| 27 | 408-059507-2500 | CD OPEN BUTTON |
| 28 | 403-059504-89T0 | POWER/S-BY BUTTON |
| P1 | 173-059502-01 | R/P+AUDIO |
| P2 | 173-059503-01 | LCD+FUNCTION BOARD |
| P3 | 173-059502-01 | CUP + CD BOARD |
| P4 | 173-059508-01 | HEADPHONE |
| S1 | 203-301720-08 | SCREW M3 x 8 A |
| S2 | 203-300200-10 | SCREW 3 x 10PA |
| S3 | 203-300200-12 | SCREW 3 x 12 PA |
| S4 | 203-200200-10 | SCREW 3 x 12 PA |
| S5 | 203-300700-12 | SCREW 3 x 12 KA |
| S6 | 203-302700-06 | SCREW 3 x 6 BB |
| S7 | 203-302700-06 | SCREW 3 x 6 BB |

SPEAKER SECTION

| ITEM | PART NO. | DESCRIPTION |
|---|---|---|
| 1 | 253-059500-35 | SPEAKER MASK |
| 2 | 339-059502-6500 | SPEAKER F CAB. |
| 3 | 166-50408B-R0 | SPEAKER |
| 4 | 203-300700-10 | SCREW 3 x 10 kA |
| 5 | 253-059511-01 | WOODEN SP BOX |




| REF NO | PART NO | DESCRIPTION |
|---|---|---|
| 1 | 440-R00120-2500 | REMOTE FRONT CAB |
| 2 | 212-R00102-02 | SILICON RUBBER |
| 3 | 173-R00102-23 | REMOTE PCB BOARD |
| 4 | 441-R00120-2500 | REMOTE REAR CAB. |
| 5 | 442-R001-201060 | REMO BATTE DOOR |